

ABSTRACT OF THE DISCLOSURE

A method and system has an architecture that employs a unique hybrid approach for data mining that integrates advanced three-dimensional computer visualization and inference-based data generalization techniques. The present method and system is geared towards the interactive acquisition and display of visual knowledge representations. Knowledge representations, called knowledge landscapes, are employed for robust real-time classification of incoming data as well as for forecasting new unexpected trends. Knowledge landscape visualization techniques contribute to better human decision-making insights through facilitation of spatial operations such as navigation and zoom operations. A graphically appealing human computer interface and capability to visualize large and complex knowledge bases through spatial and graphical depictions of knowledge components adds to advantages and widespread applicability.

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